STRUCTURE 10-E

This structure is a three-barreled, corrugated metal pipe culvert, located through L-39, about 1/2 mile southeast of pump station 6. Control is effected by three manually operated sluice gates mounted on a steel frame erected on the upstream or Conservation Area 1 end of the structure.

PURPOSE

This structure permits release of water from Water Conservation Area 1 into the northern portion of Water Conservation Area 2A.

OPERATION

This structure is manually operated as directed by the U.S. Army, Corps of Engineers, in a manner so as to follow the Regulation Schedule for Water Conservation Area #1

FLOOD DISCHARGE CHARACTERISTICS

	Design
Discharge Rate	438 cfs
	* % of SPF
Headwater Elevation	17.3 feet
Tailwater Elevation	16.4 feet
Type Discharge	Uncontrolled Submerged

*Discharge of Conservation Area 1 for Standard Project Flood designed to be passed through S-10A, C, and D.

DESCRIPTION OF STRUCTURE

Type Corrugated metal pipe culverts with upstream control

Number of barrels 3

Size of barrels 72 inches

Length of barrels 40 feet

Flow line elevation 9.0 feet

Service bridge elevation 22.75 feet

Gates

Number 3

Type Waterman Model S-50-20-F

Size 72 inch by 72 inch

Control manual

Lifting Mechanism - Type hoist Pedestal mounted. Manually operated.

ACCESS: From Pump Station 6 or from S-39 via access road on top of L-39

HYDRAULIC & HYDROLOGIC MEASUREMENTS

Water Level: On-site, analog headwater & tailwater recorders

Gate Position Recorder: NONE

Rain Gauge: NONE

DEWATERING FACILITIES (per gate) NONE